

Arcifa *et al.*, Microcrustaceans and predators: diel migration in a tropical lake and comparison with shallow warm lakes. *Limnetica* 35 (2): 281-296 (2016)

SUPPLEMENTARY INFORMATION

Table S1. Compilation of studies on DHM-DVM of zooplankton in shallow warm lakes.

References: *Compilação de estudos sobre MHD-MVD do zooplâncton em lagos quentes rasos. Referências:* (1) González Sagrario & Balseiro (2010); (2) Iglesias *et al.* (2007); (3) Meerhoff *et al.* (2006); (4) Meerhoff *et al.* (2007); (5) Castro *et al.* (2007); (6) Tavşanoğlu *et al.* (2012); (7) Tavşanoğlu *et al.* (2015); (8) Keppeler (2003; personal comm.); (9) Fantin-Cruz *et al.* (2008); (10) This study.

Water body	Geographic location and some features	Macrophytes	Predator	Study type	Prey behavior
Los Padres Argentina Warm temperate	37°55'- 38°02' S 57°34'- 57°33' W area 2 km ² , mean depth = 1.8 m; summer temperature 26 - 27°C	Floating and submerged – abundant to absent in the lake along years	Littoral: fish, odonate, acari, flatworm, shrimp, notonectid, coleopteran; Limnetic: fish?	Field	No DHM, shore avoidance (1)
Lake Blanca Uruguay Subtropical	34° 54' S, 54° 50' W area 40.5 ha, Z _{max} = 3.6 m Temperature – 11.3 - 26.3°C	Submerged, floating, emergent	Littoral: omnivorous fish and shrimp Limnetic: fish, <i>Chaoborus</i>	Field	DHM varies with season, according to predator densities (2)
Lake Rivera and other lakes Uruguay Subtropical	34° 55'S, 56° 10' W (L. Rivera)	Floating and submerged	Fish	Laboratory experiment	Avoidance of plants even with danger signals (3)
Five subtropical lakes (Sb) Uruguay Five temperate lakes (Te) Denmark	30° - 35° S, summer temp. 27°C 55° - 57° N, summer temp. 18°C	Artificial free-floating and submerged	Sb – littoral: fish, shrimp, macroinvertebrates Limnetic: <i>Chaoborus</i> Te – littoral: fish, <i>Polyphemus</i> macroinvertebrates Limnetic: <i>Leptodora</i> , <i>Chaoborus</i>	Field experiments	Sb – DHM less prevalent Signs of DVM Te - DHM-DVM (4)
Lake Vela Portugal Warm temperate	Area 70 ha, mean depth = 0.9 m, temperature 12 - 22 °C	Floating covering 10-20% of the lake	Littoral: omnivorous fish Limnetic: fish, <i>Chaoborus</i>	Field	No DHM, DVM of a few organisms, macrophyte avoidance (5)
Lake Eymir Origin of <i>Daphnia magna</i> Turkey Warm temperate	39° 57'N 32° 53' E	Submerged	Fish	Laboratory experiments	No DHM, DVM - <i>Daphnia</i> moving to sediment (6)
Eleven lakes Turkey Warm temperate	41° 80' N, 27° 99' E 37° 77' N, 29° 39' E Area 1- 400 ha, mean depth = 07 - 4.8 m Temperature 21.2 - 28°C	Artificial submerged	Fish	Field experiment	No DHM DVM (7)
Lago Amapá Lago Pirapora Brazil – Amazon Tropical	10° 02' 36'' S, 67° 50' 24'' W 9° 27' 21'' S, 67° 31' 39'' W Z= 2.7 - 4.5 m and 4.5 and 13 m	Dominance of phytoplankton blooms, low floating macrophytes	Littoral and limnetic: <i>Chaoboridae</i>	Field	No difference in horizontal distribution of zooplankton (8)
10 temporary lagoons in Pantanal Brazil Tropical	Area 390 - 4380 m ² , mean depth = 0.37 - 1.70 m	Floating, submerged, emergent	Littoral - fish	Field	Avoidance of macrophytes by zooplankton (9)
Lake Monte Alegre Brazil Tropical	21° 10' 04'' S, 47° 51' 28'' W Area 7 ha, mean depth - 2.9 m Summer temp. 27 °C	Mainly floating, covering a small area	Littoral- notonectids, odonates, fish Limnetic - <i>Chaoborus</i> , 1 filter- feeder fish in low abundance	Field	No DHM, DVM, superficial location, nearshore location of smaller spp. (10)